

**Notice of Allowability**

Application No.

09/712,926

Examiner

Shin-Hon Chen

Applicant(s)

MATTSSON ET AL.

Art Unit

2131

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Amendment filed on 6/27/07.
2. ☒ The allowed claim(s) is/are 1-9 and 16-24.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All b) ☐ Some\* c) ☐ None of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date 20070924.
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_.

CHRISTOPHER REVAK  
PRIMARY EXAMINER

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### **DETAILED ACTION**

1. Claims 1-9 and 16-24 are allowed. Claims are re-numbered as claims 1-18.

#### ***Allowable Subject Matter***

2. The following is an examiner's statement of reasons for allowance: The prior art of record discloses independent distributed database system that allows backup operation to be performed in the background to avoid interruption of service. However, the prior art of record does not explicitly disclose copying a first of record from a base area to a maintenance area, thereby creating a second set of record in said maintenance area; while altering encryption status of the said base area (according to the applicant's specification, page 3 line 33 through page 4 line 1, the encryption status is the encryption level that is changed from a strong form to a weak form), modifying data in a record in the second set of record in the maintenance area instead of modifying data in any record in the first set of record in the base area upon receiving an instruction to modify data in a record in the first set of records in light of other features disclosed in independent claims 1 and 21.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

*Conclusion*

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Van Oorschot et al. U.S. Pat. No. 58550443 discloses transporting different degrees of security strength symmetric key that is commensurate with the trust level of the environment.

Hind et al. U.S. Pat. No. 6978367 discloses selective encryption of data elements according different security policy.

Sato et al. U.S. Pat. No. 7093137 discloses encrypting columns and rows of database using a common key.

Klein U.S. Pat. No. 7096370 discloses encrypting user generated data with information defined in part by user input.

Hsiao et al. U.S. Pat. No. 6564215 discloses update support in database content management .

Nishigaki et al. U.S. Pat. No. 5043871 discloses method for database update/recovery.

Kawamura U.S. Pub. No. 20060248125 discloses method for data processing with data backup.

Dahl U.S. Pat. No. 6321201 discloses data security system for a database having multiple encryption levels applicable on a data element value level.

Whiting et al. U.S. Pub. No. 20020107877 discloses system for backing up files from disk volumes on multiple nodes of a computer network.

Bailey U.S. Pat. No. 5659614 discloses method for creating and storing a backup copy of file data stored on a computer.

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Carlson U.S. Pat. No. 6377959 discloses redundant database recovery through concurrent update and copy procedures.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shin-Hon Chen whose telephone number is (571) 272-3789. The examiner can normally be reached on Monday through Friday 8:30am to 5:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ayaz Sheikh can be reached on (571) 272-3795. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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Examiner  
Art Unit 2131

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